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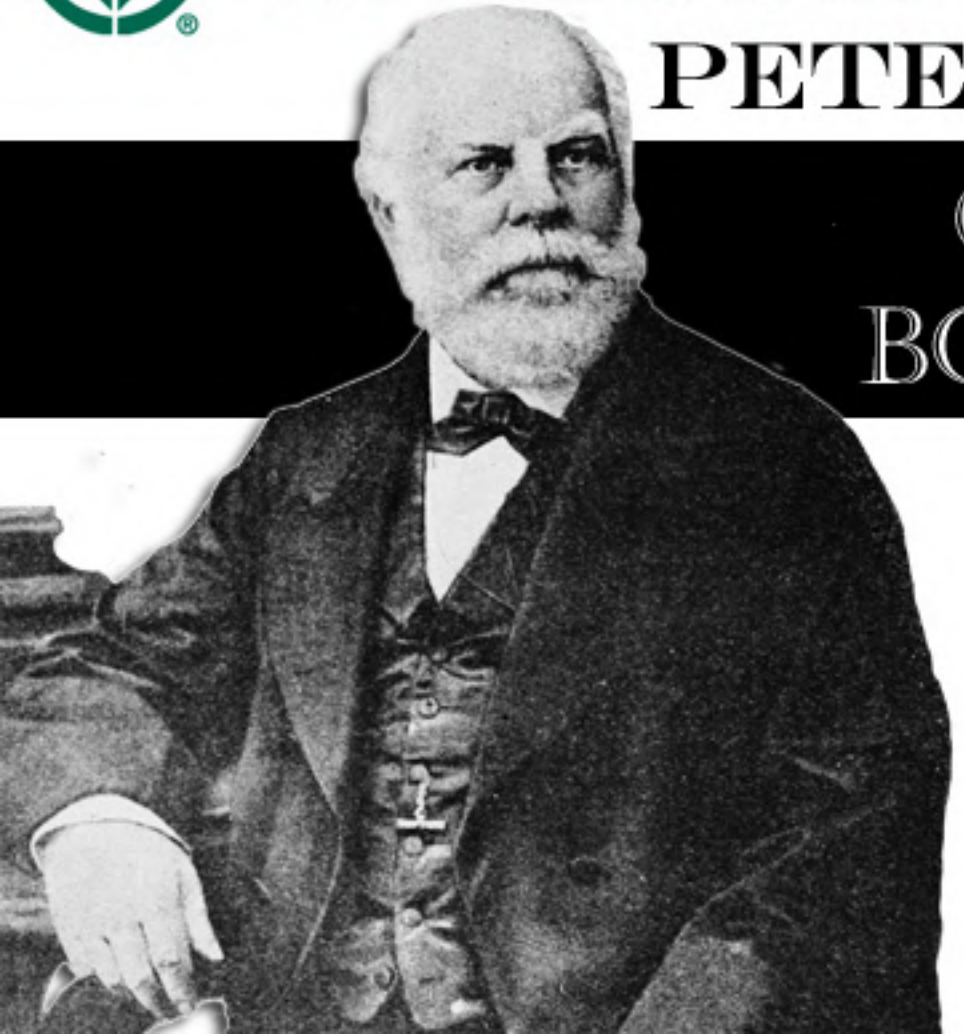

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Euphorbiae mediterraneae stipulatae

cum Nubiris

Berl. 18 Apr. 1857

E. Peplis L. O glaberrima,
~~tris~~ ~~inbat~~
foliis dentatis, involucr.
angusto appendiculatis, stylis
recurvis, sem. ovatis acutis
laevibus

Syrgma Creta
Dalmatia; Tirol
Italy
South of France, Hyeres et
Bayonne
Portugal

Hagen Som. Petersb. 1843

E. Pseudoharnessyce ⊙ glaberr. ?

fol. ovato apic. dentatis, obovatis
glandulis angust appendiculatis
stylis recurvis
sem. ovat. acutis laevibus

E. Chamaesyce L. in ⊙ glabra
v. pubescens

fol. obovatis versus apicem
dentatis v. subintegerrimis
stylis brevibus erectiusculis
gland. appendiculis dentatis
sem. ovat, regulose-tuberculatis
α laevis
β. rugosa.

E. thymifolia in Hort. Scaleuley
E. maculata in Sonn. Addit. Collection

Astrachan, Banat & Danube
France — Corsica — Sardinia
Portugal
Adriatic Italy

Joppe (Sieb), Creta (Sieb) = E. Tigridis Boiss & Noë
Lessina, Dalmatia
E. granulata Sch. Schimp. Aegypt. non Forsk.
v. var sem laevibus — Palaestina Marsh
fol subtiordentatis

δ. obscura
inappendiculata, sem. nigrotuberculatis

Host Braun, unde?

0 1 2 3 4 5 6 7 8 9 10
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Euph. Forskalii Jacq. ⊙

diffusa puberula
fol oblongis obtusis parce dentatis
gland inappendiculatis
stylis profunde bilobis, petalis 3, rarius
sem. angustis acute angulatis
verrucosulatis s. undulatis

var. appendiculata
var deserti, appl. Schweinf
perhaps belongs to E Chamaepe?

Roiska Egypt, Mosh
Syene, Sieber sub E. thymifolia Forsk
Theben in Ob.-Egypten
Semmar Kotschy sub E. granulata Vahl
Aegypt in Hb. Sendtner sub E. granulata Forsk

Abyssin Schimper 368.
Nubien Kotschy in Hb. Fiscbach
E. granulata var Deserti Hochstet
Semmar Kotschy.
Abyss Schimper

Euph. convolvuloides Hochst. mid Cordofan Kotschy.

diffusa puberula
fol. ovato-lanceolatis acutis undulatis
gland inappendiculatis
stylis ovatis apice solum bifidis
sem. majusculis ovatis transverse
undulatis

E. tomentosa Lam ?
E. scordifolia Jacq ? „petalis ciliatis"

E. thymifolia Schimper 755
Djedda, Arabia

4. tomentosa diffusa
fol ovato-oblongis crenulatis
obtusis
gland dentato-appendiculatis
styl. ovatis patulis brevibus
sem. ovat. majusc.
verrucosulatis

„ E. scordifolia Jacq. = thymifolia Forsk.
Cordofan, Kotschy

„ E. hirtella Fenzl
Semmaar, Kotschy.

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E. arabica Hochst. & Steud. 756 Arab. a Schimper
no. item.

⊙ erecta glaberrima
fol. lanceol. integr.
glom. angusta appendiculati dentati
stylis divaricatis brevibus
apice bilobis
sem. angulati transverse
undulatis

E. polycnemoides see next page

E. intermedia Hochst 1842 1133. Schoata, Abyssinia Schimper

⊙ diffusa glaberrima
fol. oval oblong. obtus. serrat
glom. angusta appendiculati dentati
stylis longis divaricatis prope fol
apicis
sem. ovatis incurvo-punctatis obscuris
(near to mutica in the seeds?)

a form of the next.

a

E. sanguinea Hochst & Steudel 1837 753. Arabi Schimper

⊙ diffusa glaberrima
fol oblong. - lineari acutis,
versus apicem serratis
glom. inappendiculat.
stylo patulis, longis
sem. ovat. transverse undulatis
rugis

E. humifusa Willd ? where described? Sine nom & Cor. in Herb. Willd. (null?)

" E. humifusa Willd " W. Gerhard collect "

E. microphylla
E. indivisa Hort Carlsruhe

too near the two last species?

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E. hypericifolia var. a, ~~ran~~ genuina

① erecto patula pubescens
fol ovatis obtusis
glandulis orbiculatis - appendiculatis
stylis erectis brevissimis
caps pubescentibus
sem ovat undulato nigr.

b, glabrata. stylis longioribus
fol. caes. caps. caes.

E. hypericifolia 334 Kotschy Semaar

E. granulata Vahl Abyssin 618
Schimper

E. hypericifolia var pubescens Abyssin
907 Schimper

E. hypericifolia 757. Arabia
Schimper

E. hypericifolia 1632 Abyssin Schimper

~~Exappendiculata~~ v. nudiglandula glabrior et.
communis
exacte appendiculata

E. Presliana Guimar Palermo leg. Todaro

North America, Mexico et
Verona in Hb Braun, Rio Janeiro

Dens. flora v. microsperma
inappendiculata, ram minutis
rubellis

Florida, Mexico, Central India

302. Cordofan Kotschy

Euph. polygonoides Hochst. ined.

⊙? diffusa glabrescens
fol. linear falcat, serrul.
gland angste appendiculatis
stylis patulis brevissimis
sem. angulis transversis
costulis crenatis.

dimet in last page.

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8859

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Cambridge Octob 1856

Xyclothiza ? Euphorbia

~~42~~ Euphorbia ~~globulifera~~ : n. sp. Gregg 1092

radix lignosa fusiformis perennis;
caulis diffusus, flavo villosus;
folia e basi valde obliqua falcata
subconvoluta obtuse acuta
3-4 nervosa supra strigosa
subtus flavi pilosa;
stipulae subulatae longe ciliatae
flores in glomerulos globosos
breviss. pedunculatos
approximati;
involucri pubescentis campanulati
glandulis 6 rix marginatis
stylis parvis ultra medium bifidis
stigmate capitellata. lavato
capsula pubescente
semina 4 rix globosa quorum 2-3 bi longe
2 bi lata; angulis acutis transverse
rugulosa.

Sandy beach at mouth
of San Pedro — western Mexico No 1092
Gregg June 22 1849.

Stem 1/2 foot high; flowers
purplish — leaves 9 lin long
3-4 lin wide; — peduncles
scarcely 3 lin long, globules 4-5 lin
in diameter. Seed about the smallest I have seen

C. O.: This may be Linnaeus
E. hirta, which is figured
in Rumphius tab 23 —
Burmann tab 104 ... but it is
always said to be an annual
while our plant has a stout

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2

Gregg. 856.

43 *Euphorbia umbellulata* n sp

radice (cyatio cassa) perenni

caulibus plurimis prostratis

puberulis

foliis ebus. obl. ovatis

integerrimis obtusis subtus glaucis

subtus cum petiolis parce

pilosis demum nudatis

stipulis albis abbreviatis ob-

tusis glandloso-ciliolatis

~~flores~~ anthesin in

~~umbellatis~~ umbellis terminalibus collectis.

Involucris campanulatis

~~glandulis 4 late~~ alte marginatis

appendiculatis albis

~~flavescentibus~~ petaloideis deflexis

ornatis.

Ovario strigoso stylis ad (fere connatis)

(medium) bifidis, stigmatibus

clavellatis

Capsula subglobosa angulata

parce (pilosa ad basin)

Semine 0.6 lin longo 0.3

latis acute angulatis grosse

tuberculatis.

Not rare in dry places

East of Guadalajara, Mexico

No 856.

Dr Gregg May 17. 1849. — Rootstock
or stem half an inch or more in
thickness knotty; stems 3 inches or
more in length — leaves small
1½ - 2 lines long & wide; little
umbells 4-6 lines in diam. at
the end of the branches consisting
of about a dozen large white anthers
Seeds 0.6 × 0.3.

Effete fruit-cells 4 angled
stipes short anthers
oft fl stony pulpate, exsuc.

13 E. floribunda a sp. Greg. 856. 6

perenn. annu? prostrata glabra
glauca

foliis e basi obliqua oblongis
seu cordato-lato ovatis seu
suborbiculatis, ~~ovatis~~ acutatis
v. integerrimis coriaceis
stipulis-lato ovatis brevitus
glandulosis ciliatis.

floribus conspicuis in cymulos
spiratos congestis

glandulis involucri 4 late
albo marginatis, margine
premulato

stylis 5 basi bifidis, (demum reflexis)
stigmatibus clavatis.

capsula subobsolete 5 angulata,
semine 5 angulis obtusis, testa
arcte angulato, reticulato-rugosis

6589

4

et nigroso exsuccatis / 0.7 lin. long
0.3 latis)
with the bark on dry plains
east of Guadalajara, S. Grey No 856 in
May 17th 1849 — Stem prostrate
4–5 inches long, much branched
densely covered with small
leaves and flowers corymbose
large almost covered the whole
plant
leaves
lin. long
Seeds 0.7 l. 0.3 thick — remarkable for the size of
the grain of flowers all over
the plant.

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Euph 2 Cambridge Octob 1856 5

ale hyperiefolie!

40 Euphorbia cyparissa n. sp. Gregg 1019

Caule suffruticoso glabro ramoso
foliis [linearibus obliquis rubris
convolutis] [basi triangulatis]
ante senatis

Stipulis 3 angulatis ciliatis

Involucris patulis longe stipitatis

Involucro ovato 4 cellulis 4 ♀
late albo marginatis margine
integro

Stylis exsertis ad medium
bifidis stigmatibus explanatis

Capsula obtuse angulata
semi-late ovata 0.6 li
longa, 0.4 li lata, rugis
transversis notata —

Nova Mexico, orientem
versus — Dr Gregg No 1019
Dec 1st 1849 — Shelf shrub
1-1½ feet high — flowers white.
leaves over ½ inch long,
3 lines wide; pedunculus (or ♁
♀) communis stipitibus
longe pedunculatis latentibus
dense in pedunculum termi-
nalem corymbatis.

♁ rather lateral bracklets; make
about 1 inch long; generally
with five leaves; about ½ inch
— Nevertheless

6

Gregg 506

16 Euph. pulicularis !
robusta
(caule pubescente) erecto pubulo
glabrescente

foliis obique ovatis acutis
integris coriaceis

stipulis subulatis ± ciliatis

floribus latiuscule stipitatis
involucris 2–4 glandulis
immarginatis petalliformibus,
laciniis 5 lanceolatis ciliatis

capsula obtuse angulata
lineata ..?

Collected ✗ Agoyan near

D^r Gregg Sept 22 1848.

№ 506 Stems, ½–1 foot
high thin 2–3 lin ⌀ base
leaves 2–3 lin long, 1–2
broad a stem before me
abt ¼ inch ⌀ thin

Alluded to Author Ed Majdell
but this has obtuse returned
leaves, effuse glandular

Wright [59] Cuba

Capsella Bursa-pastoris (L.) Medic. = 37

annua multiramulis patula
caule patenter piloso
foliis radicalibus oblongis obtusis vel acutis
sinuato-dentatis argute serratis
supremis glabris subtus pilosis
sti. pilis caducis hirsutis
fructibus obcordatis
floribus laxe racemosis
sepalis oblongis glandulis angustis
albo marginatis
stylis abbreviatis ad basin
bifidis stigmatibus clavellatis
capsula suboblonga angulata
glabra stylis brevissimis suberecta
coronata
seminibus laevibus ovatis
ante angulatis 0.7 - 0.8 lg
0.4 latis

Mixed with Wright [59] 1851
fields, Doñana

Plants about 2 inches high many
from the same root — of a
rough hairy appearance leaves
½ inch long & half as wide.

6590

corrected Bartl. in Mank.

glauca

1. E. corollata Jacq. & Wats.

glabra, ramis adscendentibus, diffuse ramosis, foliis ebasi obtuse cuneatis sublaxe dentatis, acutis; involucro 5 floro 5 phyllo, foliolis lanceolatis viridibus, 1. in ovatis, basi rotundatis, margine revoluto (sicco) stipulis setaceo-fissis, involucro 5 floro 5 phyllo, foliolis lanceolatis viridibus, 1. in ovatis, basi rotundatis, margine revoluto (sicco) stipulis setaceo-fissis, glandulis 3-4 patellaribus, floribus 5-merus triangularibus, calycibus tubulosis 5-fidis, laciniis triangularibus, stylis 5 ad medium connatis, erectis, stigmatibus 5 linearibus, capitatis, corollam subaequantibus, receptaculo glabro, achaenia 5 obovata, compressa, glabra, rubra, stylo brevi, persistente coronata; semina 5-8 lineari-oblonga, 0.5-0.6 lata.

Cal. in Rosa Creek, Hartmann. Stems 4-6 inches long, leaves 3 lin. long, 2 wide, angles of involucre corresponding with the triangular lobes of the calyx. Glands 4, of involucre large & prominent, stipitate, almost cup-shaped. Seeds 0.7 lin. long, 0.5-0.6 thick; color unknown.

This species is evidently nearly allied to the eastern P. polygonifolia and seems to be its representative on the pacific slope — in other respects

inappendiculata semi-fossa

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GEORGE ENGELMANN 1281

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2 8 9eg

Euphorbia polygonifolia ~~patula~~ ramosa procumbens diffusa seu demum

~~procumbens~~ , glaberrima

foliis oblongo lanceolatis integris

basi obliqua obtusis seu subcordatis

obtusis v. retusis mucronatis

stipulis subulatis ~~setaceis~~

sub

infra integrifolia nunc glandulifera setaceo fissis

authodiis alaribus dum

cymulas terminales

& cymulatos ~~fax~~ as foliaceas

confertis:

glandulis

involucris minutis glandiferis

stylis ~~bipartitis~~ ultra medium

bifidis, ovariis multo brevioribus stipitibus filiformibus

Capsula obtusangula

Seminibus ovatis vix angulatis

laevibus.

Sandy shores ~~on~~ the atlantic

coast Massachusetts N. Jersey!

N. Carolina! — Great Lakes!

E. maritima Mutt N. Amer.

Seeds ~~oblong~~ ·1 line long, the largest

& all the smooth ovoid — while

the flower is the smallest! Anther ·04-·05 line long

— A form with broader leaves long straight from non obtuse.

a little larger flowers & small

seeds (C. & C. 69) at New Orleans

(Dr Engelm) another one very similar

to this ✓ Texas (when?) but leaves narrower

~~Near the~~ Wright

~~of Texas, on the Nueces river a~~

~~plant~~ which seems to form a

transition to Nuttallii as it

has small petals & nearly

seed size of the last, or a little smaller

must perhaps be referred to the next I species as E. peltoidea subinappendiculata; & seems to unite the two species

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6591

Yes!

authors?

~~flora~~ I am trying ~~to~~ to style
Dr. Gray almost to the case.
Perhaps it would not properly
belong to Nuttallii? Steud.
apotlog.; ~~flora~~ authors?
= loose terminal or pseudo-
lateral alternate y unilat.
leaves bracteate = Dr Torrey's
plate.

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3 05 98/5

~~ovidatalis~~ petaloidea

Euphorbiæ ~~Hatschbachii~~ annua ~~diffusa~~ ~~s. patula~~

~~ramosa~~ ~~diffusa~~ annua (patula fere) ~~&~~

~~& XXXX~~ diffusa, glaberrima.

foliis ~~ovatis oblongis~~ obovatis

s. linearibus integris, ~~basi plerumque~~

~~obliquis obtusis s. attenuatis apice~~

obtusis, ~~acutis~~ mucronatis.

~~Stipulis subulatis connatis~~

~~s. subulatis petiolo adnatis~~ late amplexicaulibus

authodiis valaribus duris plerumque

in ramulos laxas ~~pseudoaxillares~~ foliosas

laterales s. terminales corymbiformes

involucris appendiculatis petaloideis

coronatis

~~stylis ultra medium connatis~~

ovatis subulatis s. setaceis stipulis filiformibus

capsulis obtuse angulatis

seminibus ~~ovatis~~ vix angulatis

laevibus.

~~§~~ H. Nuttallii (E. arenaria ~~Ait~~ = E. Zygophylloides Boiss

Nutt. ex Hamb. major

erecta diffusa, foliis

oblongo linearibus ~~basi~~ seu linearibus

basi angustis stipulis

subulatis connatis antice

integris postice fissis pedunculis

elongatis, ~~divaricatis~~ appendiculatis ~~s. ovatis~~ ~~s. oblongis~~ involucris

angulatis s. serpentibus, stylis

elongatis ovatis serpentibus

seminibus (subglobosis — ovatis.) sepe cum duo ovulis

~~B.~~ β. media foliis plerumque angustioribus longioribus.

~~latioribus;~~ pedunculis ~~brevibus~~ altera duplo!

~~authodiis proximis~~ &

~~ramulos excitans angustis~~

et inflorescentia ~~patentioribus~~

proximis,

α

authoris stylis que ~~glabris~~ pubescentibus ;

β. Nicolletii ; foliis ~~glabris~~ subtus pubescentibus ; stylis ~~glabris~~ pubescentibus

A very variable plant !

α. On the upper Missouri Nicollet !

occupying the whole country from the Rocky Mts to the States of New Mexico & Texas

On the eastern plains from the upper waters of the Missouri and the Rocky Mountains to New Mexico & into Texas.

β. On the upper Missouri ! one Yellow Stone (Jones) ! Nicollet ! Hayden ! was formerly the name of O. pectinata only, but that is umbellata probably generic specific ! Also in my E. Texas

M. Lich. I. ~ part.

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Nicollet, Hayden

B. from the Upper Missouri to the Albany Trail!

and New Mexico (Fendler 793)

4. S. is it Southern Ins. form
Drummond II. 219 (239 in part) Berlandier 2529. 1099
Linheimer 301 up to Eaton up to Englemann Schott!
2. from Arkansas Nuttall! Shortridge! Carl. Boyle 492
1. Fendler. 792 Council grove.

S. Salina Sandy banks of the
Rio Grande Wright 1826 — Valley of El Paso
Santa Barbara Boyle. [has the valley of Rio Grande
Sodium soil something to do
with the variation of the flowers?
and is this form a substrate
the Gulf seaside E. polygonifolia
is such specifically different
from our plant?

An extreme by variable plant,
the different forms brought here
to gether would seem to
comprise several distinct
species if the intermediate
forms would not force on
us the necessity of uniting
them together. —

L is the common plant of the
northern plains, often
along the Missouri & Yellowstone; usually from a few inches
& 8 to
1 or 2 feet
8 high;
leaves
thin;
with Nuttall's tube 0.6 to 8 lines long
brown campanulate, with the ovary pistil &
usually appendages
of 2 lines or
more — Linnaeus 7 ÷ 8 smaller.

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6592

leaves ½ – 1 inch long, ½ – 2 or
3 lobes wide ; — seeds orbicular
x and the largest on narrowest ÷ ½ & ⅛ o.g lobes long, ÷ ½ as little as
globular thin & veil ⅓ ;
seed ½ x unknown !

Finders Chagres plants
No. 276 is a very nearly
allied form to ½ — but +
seed O.G. globose — if
not divided it ought to
be called var. Sphaerosperma
though further
proof it to be
styles short,
stigmata clavellate

+ appendages white
rose colour

investigation may
a distinct species
divide the name

= anomalous

41

Euphorbia Geyeri Engelm. Bot. King. I, p. 52. Geyer

Euphorbia Geyeri annua Diffusa

glabra minima

ovis v. dorso-

plicis oblongis basi obtusis seu

subcordatis, obtusis v. retusis

marginatis

stipulis glandulosis multifidis,

fimbriatis

ramulis alaribus ~~Dumosis~~

~~Cymosis laxis~~ ~~laterales~~ pauciflorus foliosis

demum cymosis laxis laterales

compactis.

involucri appendiculis transversis

late ovatis brevibus

stylis vix ad medium bifidis

ovulis ~~brevibus~~ rugulosis obtusis angulatis

stamina solita glabris

muricatis.

Branches diffuse ~~Dec~~

sandy soil, Geyer, ~~th~~

A small plant, often inches high,

spreading ~~3 to 9~~ inches ~~in~~ an

indefinite — leaves 4—6 l. 6

1—2 l. wide — seeds 0.6 l. long

exactly like the rest of E. corollata

to which this plant seems to be very

closely allied, though it has the

leaves of the last spring —

It is intermediate between the

two last species and the next

6593

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52 Gp

Euphorbia cordifolia Ell.

annua diffusa prostrata,
glabra,
foliis obovato ovatis basi
obliqua plus minus cordatis s. obtusis,
(rarius mucronatis)
stipulis elliptico oblongis
antrorsum adpressis denticulatis
in glandulas terminales congestis
appendiculatis subobsoletis tubum
capsulam aequantibus
stylis elongatis ultra medium bipartitis
capsula quadrangula, sulcis
ovatis glabris.

S. Carolina Elliott, Carolina
to Louisiana! Texas Drummond II. 223,
Lindheimer Pineywoods of
the Brazos — in Rusk County Cent. Texas Torr. & Gr. in sophylla.
Aspen Cove flowers spring, Eagle.
Sphaeralcea 1 to 2 feet, leaves usually
4=6 pinnately lobed 3-4 broad
or less ends a small form
with leaves, only 2 lines long,
(flowers of same size,)
flowers of authors often fully
as long 2 lines across;
seed 0.6 l. long.

B. inconspicua

A form from the Sandhills near
Aiken in S. Carolina with
Mr Ravenel with smaller leaves
smaller flowers with very short
appendages, styles & seed and strongly
muricate reticulation as variety inconspicua

6594

It seems to for a county
link between the two ~~[illegible]~~
species with red & obtuse leaves
though E. Gayeri with more
with elongated mucronate leaves.

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16 Euphorbia heterophylla Nutt. Rudb.

annua prostrata depressa glabra seu glauca.

folia ovato oblonga basi obtusa s. subcordata sessilia stipulis plus minus ornata triangulares lanceolatae

acuta. — glomerulos foliacea alternatos (rarius) appendiculatos minutis ornulatis s. nempe nullis

stylis 3 ultra medium bipartitis stigmatibus clavellatis.

capsula anfractuosa seminibus ovatis laevibus carinatis

β. imbricata caulibus ramulisque subtus pubescentibus, foliis cordatis confertis imbricatis, stipulis ornatis, pathodiis sub calice appendiculatis majusculis truncatis angulo oribus creatis, seminibus laevibus s. levissime tuberculatis.

Common Weed in South, usually on river banks
On the Missisippi & Illinois / and in stiff black
Alabama Upper Missouri Nuttall loam of Prairies.
Hayden Sloutan Kansas Fendler. 798 & 802
New Mexico / Bigelow Wright
to Texas, Lindheimer 300
Florida Dr Ingalls & Pitcher Riddell Drummond II. 320. 228
and North Mexico, Gregg (a very glaucous
form, approaching some small
states of the perennial E. stipulacea)

Hab. in rocky soil about New Braunfels H. Lindheimer 693
and near Monterey Mexico Gregg

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6595

one plant

One of our smallest Euphorbias spreading for a wide house off covig sparsely a square foot a square = Leaves 1–2 m long 2½ lines long, 2 lines wide usually of the texture exhibiting the reticulated veins; ~~is small~~. ~~Involucre~~ Involucre very small apparently present ~~[illegible]~~ finely waxing only in some Stocks specimens; others is pale white or reddish, in styles spreading from the first white those of the allied species much longer and erect — Angles of capsule very acute tuberculate seeds brown 4 & 5 l. long A form with the Stages = northern Mex. is patently glaucous, & has a little larger seeds — Var B. has small oval leaves not over the 1–1½ l. long, seeds narrower, smooth or nearly so, rarely tuberculate!

Euph. radians More for Mex. to it this same plant, ft. erect oblong minute mammillæ

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0 1 2 3 4 5 6 7 8 9 10
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1947 05 — Gep.

Euphorbia tristigmatica

annua procumbens glaberrima
foliis suborbiculatis integerrimis
stipulis obtusis ciliolatis
involucris appendiculibus angustis
emarginatis
stylis indivisis stigmatibus 3
capitellatis
capsula acutis angulata
seminibus minutis ovatis - Ecuador.

Mixed with 2 other species in
Coulter's 1447

A small plant similar to
E. berteroana, but with broader leaves,
broader stipules and shorter and
thicker seeds. The seeds are the
smallest of any known to me,
barely more than 0.3 line long.
Leaves in the only specimen before
me only 1–1½ lines long, and
a little narrower.

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Euphorbia revoluta ~~glabernima~~ annua erecta
patulo-ramosa glaberrima
foliis linearibus integerrimis margine revoluti
bus subsequalibus, obtusis (nec mucronatis)
stipulis setaceis
involucris alapibus solitariis
glandis nudis ~~f.~~ plerique angusti appendiculati,
(lobis triangularibus subinde
una altera ve deficiente
stylis ab initio secundis apice
solum bifidis, stigmatibus clavellatis,
capsulam acute angulatam
semente ~~Cinereo~~ ovato-triangulari, angustis
acute angulatis, transverse
rugosis. —

(Santa Fe, cask of) slopes
of mountains about the base of
trees and under shrubs
Fendler. 789. — Wright 1830 Stony hills on Coppermines
(524 & 298, 1851) Sonoita ~~Creek~~ Sonora

Annual very grassle species, 4–5 inch high
with narrowly linear leaves
6–10 l. long, ½ l. wide —
~~The~~ Involucre very small,
appendages (red or white) — Seems not quite so
Very much like arenaria
but by the precise styles
and the narrow ribbed seeds
easily distinguished.

0 1 2 3 4 5 6 7 8 9 10 cm
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E. trachyspermum

Engh. Wright exsicc. exsicc.—
ramosa glaberrima;
foliis oblongo—lanceolatis
basi subaequalibus, serratis
obtusis mucronatis
stipulis filiformibus v. subulatis,
fissis
calathodiis involucris
inaequalibus
alaribus,
superantibus
appendiculatis
appendiculatis
glandulis
rubro quandoque
lanceolatis
stylis
capsula
costis
levibus
angulatis
angulis acutis, ovatis.

Wright. 1832. (No 480) 1851

Plant about 1 foot high with
stout rusty erect ascending
branches; leaves alaw, bluish
above, pale beneath; flowers in
flowered corymbs.
Leaves 1 inch long 1/4 wide
Seeds 1.0 long 0.6 thick.

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cm
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